

★RICO P75;T04 2000-405730/35 ★JP 2000141656-A
Inkjet head for small-sized full color printers, transmits pressure from resonant panel to liquid chamber panel indirectly through incompressible liquid

RICOH KK 1998.11.09 1998JP-335005

U14 V06 (2000.05.23) B41J 2/045, B41J 2/055, 2/16

Novelty: A voltage is applied between electrodes (113,119) arranged on pressure generation resonant panels (116,118) to create electrostatic force. The pressure generated due to variation or stability of the panel is transmitted to a pressure application liquid chamber panel (115), indirectly through an incompressible fluid, to discharged the ink through the nozzle (106).

) **Detailed Description:** An INDEPENDENT CLAIM is also included for the manufacturing method of the inkjet head.

Use: In e.g. on-demand type inkjet head, formed by micro machining technique used in small sized color printer.

Advantage: The ratio of length the breadth of the resonant panel is set optimally, as being indirectly driven by the pressure application resonant panels, which reduces the required drive voltage. The size of the liquid champer is reduced.

Description of Drawing(s): The figure is the built-up section diagram of an electrostatic type inkjet head.

Nozzle 106

Electrodes 113,119

Pressure application liquid chamber resonant panel 115

Pressure generation resonant panel 116,118

(5pp Dwg.No.3/3)

N2000-304116

T04-G02A; T04-G07; U14-H01B; V06-M06D; V06-U04B

